

Rec'd PCT/PTO 18 MAY 2005 10/535356

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
10 June 2004 (10.06.2004)

PCT

(10) International Publication Number
WO 2004/048237 A1

(51) International Patent Classification⁷: B65G 69/00,
E04H 6/42

(21) International Application Number:
PCT/SE2003/001854

(22) International Filing Date:
28 November 2003 (28.11.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0203522-8 28 November 2002 (28.11.2002) SE

(71) Applicant and

(72) Inventor: HOLZMANN, Peter [SE/SE]; Södra Kungsvä-
gen 229 A, S-181 65 Lidingö (SE).

(74) Agents: KARLSSON Leif et al.; GROTH & CO.KB, Box
6107, S-102 32 Stockholm (SE).

(81) Designated States (*national*): AE, AG, AL, AM, AT (util-
ity model), AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ,
CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE
(utility model), DE, DK (utility model), DK, DM, DZ, EC,
EE (utility model), EE, EG, ES, FI (utility model), FI, GB,
GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,

KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,
MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL,
PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL,
SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN,
YU, ZA, ZM, ZW.

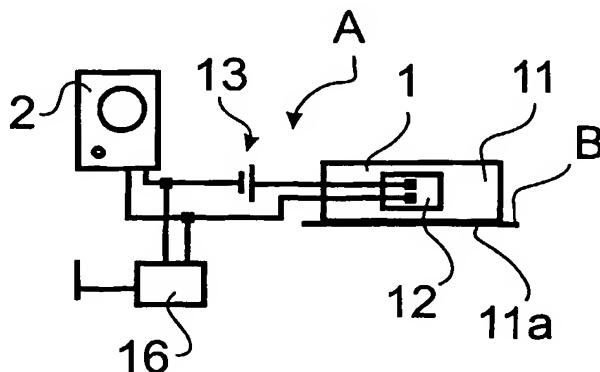
(84) Designated States (*regional*): ARIPO utility model (BW),
ARIPO patent (BW), ARIPO utility model (GH), ARIPO
patent (GH), ARIPO utility model (GM), ARIPO patent
(GM), ARIPO utility model (KE), ARIPO patent (KE),
ARIPO utility model (LS), ARIPO patent (LS), ARIPO
utility model (MW), ARIPO patent (MW), ARIPO utility
model (MZ), ARIPO patent (MZ), ARIPO utility model
(SD), ARIPO patent (SD), ARIPO utility model (SL),
ARIPO patent (SL), ARIPO utility model (SZ), ARIPO
patent (SZ), ARIPO utility model (TZ), ARIPO patent
(TZ), ARIPO utility model (UG), ARIPO patent (UG),
ARIPO utility model (ZM), ARIPO patent (ZM), ARIPO
utility model (ZW), ARIPO patent (ZW), Eurasian patent
(AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European
patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI,
SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: DEVICE FOR WARNING AND PROTECTION



when the electric circuit (13) is closed.

(57) Abstract: The present invention has reference to a device (A) for warning at physical contact of a vehicle with an object in its surrounding and protection of the vehicle at such a contact. The device comprises a detecting unit (1) and a warning unit (2), where the detecting unit (1) is adapted to be attached to a surface (B) and detect a contact of a vehicle with the detecting unit (1), and where the warning unit (2) is adapted to warn a driver of the vehicle of the detection. The detecting unit (1) consists of a force absorbing plate (11), and an inside the plate (11) acting contact device (12). A first side (11a) of the plate (11) is adapted to be attached to the surface (B). The plate (11) is given an elasticity adapted to absorb part of the forces that can occur at a contact of a vehicle. The contact device (12) is adapted to close an electric circuit (13) at the contact, and the warning unit (2) is adapted to emit a visual signal and/or an acoustic signal

WO 2004/048237 A1

INTERNATIONAL SEARCH REPORT
Information on patent family members

24/12/2003

International application No.

PCT/SE 2003/001854

DE	2844428	A1	24/04/1980	NONE
DE	19604963	C1	12/06/1997	NONE
FR	2837907	A1	03/10/2003	NONE